	Α	В	С	D	E	F	G	Н		J	K	L		
1			•	Backgrou	und Statistic	cs for Data	Sets with	Non-Dete	ects					
2	Us	ser Selecte	d Options	3										
3	Date/T	ime of Com	nputation	8/2/2013	12:21:41 P	M								
4	From File WorkSheet.xls													
5		Full F	Precision	OFF										
6	Cor	nfidence Co												
7			Coverage	95% 95%										
8	rent or Fut	ure K Obse	ū											
		ootstrap Op												
9	IIIDEI OI DE	Joistiap Of	ociations	2000										
10	Aroclor													
11	AIUCIUI													
12						Conorol	Statistics							
13			Total Nu	mbor of O	bservations		Statistics		Number	of Missing Ob	convotions	0		
14							0							
15		ı'	number of		bservations			23						
16			NI		r of Detects					Number of No				
17			Numi		inct Detects				Number			18		
18					num Detect					Minimum N				
19					num Detect					Maximum N		9.8 60.53%		
20					ce Detected			Percent Non-Detects						
21					an Detected						Detected	1.686		
22			Mean of D	Detected Lo	ogged Data	1.96			SD o	f Detected Log	gged Data	0.223		
23														
24					al Values for		nd Thresh	nold Value	s (BTVs)					
25			Tolerand	ce Factor I	K (For UTL)	2.132				d2max	x (for USL)	2.846		
26														
27						I GOF Tes	t on Dete							
28					est Statistic		Shapiro Wilk GOF Test							
29			5% Shap	oiro Wilk C	ritical Value	0.881	Detec	cted Data a	appear N	ormal at 5% S	Significance	Level		
30				Lilliefors T	est Statistic	0.163			Lilliefo	rs GOF Test				
31			5% l	Lilliefors C	ritical Value	0.229	Detec	cted Data a	appear N	ormal at 5% S	Significance	Level		
	Detected Data appear Normal at 5% Significance Level													
32		-												
32					•	ppour rion	ilai at 070	o.g.m.oun						
			Kap		(KM) Backç	· -				tribution				
33			Кар			ground Sta				tribution	SD	3.105		
33 34				lan Meier	(KM) Backç	ground Sta 3.771					SD KM UPL (t)	3.105 9.078		
33 34 35 36			95	lan Meier % UTL95%	(KM) Back ç Mean	3.771 10.39					KM UPL (t)			
33 34 35			95' 9	lan Meier % UTL95%	(KM) Backç Mean % Coverage	3.771 10.39 7.75				95% K 95% KM Per	KM UPL (t)	9.078		
33 34 35 36 37			95' 9	lan Meier % UTL95%	(KM) Backo Mean % Coverage ercentile (z)	3.771 10.39 7.75				95% K 95% KM Per	KM UPL (t)	9.078 8.879		
33 34 35 36 37 38			95' 9	lan Meier % UTL95% 90% KM Pe	(KM) Backo Mean % Coverage ercentile (z)	3.771 10.39 7.75 10.99	tistics Ass	suming No	rmal Dis	95% k 95% KM Per 95%	KM UPL (t)	9.078 8.879		
33 34 35 36 37 38 39			95' 9	lan Meier % UTL95% 90% KM Pe	(KM) Back Mean % Coverage ercentile (z) ercentile (z)	ground Sta 3.771 10.39 7.75 10.99	tistics Ass	suming No	rmal Dis	95% k 95% KM Per 95%	KM UPL (t)	9.078 8.879		
33 34 35 36 37 38 39 40 41			95' 9 9 9 D L	lan Meier % UTL95% 90% KM Pe 99% KM Pe	(KM) Backg Mean % Coverage ercentile (z) ercentile (z)	ground Sta 3.771 10.39 7.75 10.99 round Stat 3.739	tistics Ass	suming No	rmal Dis	95% K 95% KM Per 95%	KM UPL (t) rcentile (z) % KM USL	9.078 8.879 12.61		
33 34 35 36 37 38 39 40			95' 9 9 9 D L	lan Meier % UTL95% 90% KM Pe 99% KM Pe /2 Substitu % UTL95%	(KM) Backg Mean % Coverage ercentile (z) ercentile (z) ution Backg	ground Stat 3.771 10.39 7.75 10.99 round Stat 3.739 10.55	tistics Ass	suming No	rmal Dis	95% K 95% KM Per 95% ribution	KM UPL (t) rcentile (z) % KM USL	9.078 8.879 12.61 3.193		
33 34 35 36 37 38 39 40 41 42			95' 9 9 9 D L	Meier W UTL95% W W Pe W W Pe W W W Pe W W W Pe W W W W W W W W W W W W W W W W W W W	(KM) Backg Mean % Coverage ercentile (z) ercentile (z) ution Backg Mean % Coverage	ground Sta 3.771 10.39 7.75 10.99 round Stat 3.739 10.55 7.831	tistics Ass	suming No	rmal Dis	95% K 95% KM Per 95% ribution	KM UPL (t) rcentile (z) KM USL SD 5% UPL (t)	9.078 8.879 12.61 3.193 9.196		
33 34 35 36 37 38 39 40 41 42 43 44		DL/	95 9 9 DL	% UTL95% 99% KM Pe 22 Substitu % UTL95% 90% Pe	(KM) Backg Mean % Coverage ercentile (z) ercentile (z) wition Backg Mean % Coverage ercentile (z) ercentile (z)	ground Stat 3.771 10.39 7.75 10.99 round Stat 3.739 10.55 7.831 11.17	istics Ass	suming No	rmal Dis	95% K 95% KM Per 95% ribution	SD 5% UPL (t) rcentile (z) SD 5% UPL (t) 95% USL	9.078 8.879 12.61 3.193 9.196 8.991		
33 34 35 36 37 38 39 40 41 42 43 44 45		DL/	95 9 9 DL	% UTL95% 99% KM Pe 22 Substitu % UTL95% 90% Pe	(KM) Backg Mean % Coverage ercentile (z) ercentile (z) wition Backg Mean % Coverage ercentile (z) ercentile (z)	ground Stat 3.771 10.39 7.75 10.99 round Stat 3.739 10.55 7.831 11.17	istics Ass	suming No	rmal Dis	95% KM Per 95% KM Per 95% ribution 95 95% Per	SD 5% UPL (t) rcentile (z) SD 5% UPL (t) 95% USL	9.078 8.879 12.61 3.193 9.196 8.991		
33 34 35 36 37 38 39 40 41 42 43 44		DL/	95 9 9 DL	Second S	(KM) Backg Mean % Coverage ercentile (z) ercentile (z) wition Backg Mean % Coverage ercentile (z) ercentile (z)	ground Stat 3.771 10.39 7.75 10.99 round Stat 3.739 10.55 7.831 11.17 d. DL/2 pro	istics Assu	uming Nor	rmal Dist	95% KM Per 95% KM Per 95% ribution 95 95% Per	SD 5% UPL (t) rcentile (z) SD 5% UPL (t) 95% USL	9.078 8.879 12.61 3.193 9.196 8.991		
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47		DL/	95 9 9 DL	lan Meier % UTL95% 00% KM Pe 99% KM Pe 72 Substitu % UTL95% 90% Pe 99% Pe recommer	Mean % Coverage ercentile (z) ercentile (z) Ation Backg Mean % Coverage ercentile (z) ercentile (z)	ground Stat 3.771 10.39 7.75 10.99 round Stat 3.739 10.55 7.831 11.17 d. DL/2 pre	istics Assu	uming Nor	rmal Dist	95% KM Per 95% KM Per 95% ribution 95 95% Per	SD 5% UPL (t) rcentile (z) 8 KM USL SD 5% UPL (t) rcentile (z) 95% USL sons	9.078 8.879 12.61 3.193 9.196 8.991		
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48		DL/	95 9 DL: 95 2 is not a	lan Meier % UTL95% 90% KM Pe 99% KM Pe 72 Substitu % UTL95% 90% Pe 99% Pe recommer Gan A-D Te	(KM) Backg Mean % Coverage ercentile (z) ercentile (z) ution Backg Mean % Coverage ercentile (z) ercentile (z) ercentile (z)	ground Stat 3.771 10.39 7.75 10.99 round Stat 3.739 10.55 7.831 11.17 d. DL/2 pro Fests on Do 0.322	istics Assi	uming Nor	mal Distrons and I	95% KM Per 95% ribution 95 95% Per	SD 5% UPL (t) rcentile (z) W KM USL SD 5% UPL (t) rcentile (z) 95% USL Sons	9.078 8.879 12.61 3.193 9.196 8.991 12.83		
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47		DL/	95 9 DL: 95 2 is not a	## UTL95% ## UTL95% ## Pe ## P	(KM) Backg Mean % Coverage ercentile (z) ercentile (z) wition Backg Mean % Coverage ercentile (z)	ground Stat 3.771 10.39 7.75 10.99 round Stat 3.739 10.55 7.831 11.17 d. DL/2 pro 6.322 0.735	istics Assi	uming Nor compariso bservation An ata appear	mal Districtions and loss only iderson-loss Gamma	95% KM Per 95% ribution 95 95% Per historical reas	SD 5% UPL (t) rcentile (z) W KM USL SD 5% UPL (t) rcentile (z) 95% USL sons	9.078 8.879 12.61 3.193 9.196 8.991 12.83		
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50		DL/	95° DL 95°	Section	(KM) Backg Mean % Coverage ercentile (z) ercentile (z) wition Backg Mean % Coverage ercentile (z)	ground Stat 3.771 10.39 7.75 10.99 round Stat 3.739 10.55 7.831 11.17 d. DL/2 pro 6.322 0.735 0.158	istics Assu	uming Nor compariso bservation An ata appear	mal Districtions and loss only derson-less Gamma	95% KM Per 95% ribution 95 95% Per historical reas Darling GOF 1	SD 5% UPL (t) rcentile (z) W KM USL SD 5% UPL (t) rcentile (z) 95% USL sons Test t 5% Signifi	9.078 8.879 12.61 3.193 9.196 8.991 12.83		
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51		DL/	95° DL 95°	S C C C C C C C C C	Mean % Coverage ercentile (z) witton Backg Mean % Coverage Mean % Coverage ercentile (z)	ground Stat 3.771 10.39 7.75 10.99 round Stat 3.739 10.55 7.831 11.17 d. DL/2 pro Cests on De 0.322 0.735 0.158 0.221	istics Assi	compariso bservation An ata appear	mal Districtions and loss only derson-lar Gamma (olmogro	95% KM Per 95% ribution 95% Per historical reas Darling GOF 1 Distributed at v-Smirnoff GO Distributed at at positive to the control of the c	SD 5% UPL (t) rcentile (z) W KM USL SD 5% UPL (t) rcentile (z) 95% USL sons Test t 5% Signifi	9.078 8.879 12.61 3.193 9.196 8.991 12.83		
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52		DL/	95° DL 95°	S C C C C C C C C C	(KM) Backg Mean % Coverage ercentile (z) ercentile (z) wition Backg Mean % Coverage ercentile (z)	ground Stat 3.771 10.39 7.75 10.99 round Stat 3.739 10.55 7.831 11.17 d. DL/2 pro Cests on De 0.322 0.735 0.158 0.221	istics Assi	compariso bservation An ata appear	mal Districtions and loss only derson-lar Gamma (olmogro	95% KM Per 95% ribution 95% Per historical reas Darling GOF 1 Distributed at v-Smirnoff GO Distributed at at positive to the control of the c	SD 5% UPL (t) rcentile (z) W KM USL SD 5% UPL (t) rcentile (z) 95% USL sons Test t 5% Signifi	9.078 8.879 12.61 3.193 9.196 8.991 12.83		
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53		DL/	95° DL 95°	S C C C C C C C C C	(KM) Backy Mean % Coverage ercentile (z) ercentile (z) wition Backy Mean % Coverage ercentile (z)	ground Stat 3.771 10.39 7.75 10.99 round Stat 3.739 10.55 7.831 11.17 d. DL/2 pro Cests on De 0.322 0.735 0.158 0.221	istics Assi istics Assi ovided for etected Oi etected di etected di stributed a	comparise bservation An ata appear k ata appear	mal Distributions and list of Gamma (olmogroficance)	95% KM Per 95% ribution 95% Per historical reas Darling GOF 1 Distributed at v-Smirnoff GO Distributed at at positive to the control of the c	SD 5% UPL (t) rcentile (z) W KM USL SD 5% UPL (t) rcentile (z) 95% USL sons Test t 5% Signifi	9.078 8.879 12.61 3.193 9.196 8.991 12.83		
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54		DL/	95° DL 95°	## UTL95% ## UTL95% ## Per	(KM) Backy Mean % Coverage ercentile (z) ercentile (z) wition Backy Mean % Coverage ercentile (z)	ground Stat 3.771 10.39 7.75 10.99 round Stat 3.739 10.55 7.831 11.17 d. DL/2 pro 0.322 0.735 0.158 0.221 Gamma Di Statistics or	istics Assi istics Assi ovided for etected Oi etected di etected di stributed a	comparise bservation An ata appear k ata appear	mal Distributions and list one and list one and list one of the control of the co	95% KM Per 95% ribution 95% Per historical reas Darling GOF 1 Distributed at v-Smirnoff GO Distributed at at positive to the control of the c	SD 5% UPL (t) rcentile (z) W KM USL SD 5% UPL (t) rcentile (z) 95% USL sons Test t 5% Signifi OF t 5% Signifi	9.078 8.879 12.61 3.193 9.196 8.991 12.83		
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55		DL/	95° DL 95°	## UTL95% ## UTL95% ## UTL95% ## Pe ## P99% KM Pe ## P99% Pe ## P99% Pe ## PECOMMENT ## A-D To ## S% A-D Co ## K-S To ## S% K-S Co ## etected da	(KM) Backy Mean % Coverage ercentile (z) ercentile (z) wition Backy Mean % Coverage ercentile (z)	ground Stat 3.771 10.39 7.75 10.99 round Stat 3.739 10.55 7.831 11.17 d. DL/2 pro 0.322 0.735 0.158 0.221 Gamma Di Statistics or 21.24	istics Assi istics Assi ovided for etected Oi etected di etected di stributed a	comparise bservation An ata appear k ata appear	mal Districtions and loss only derson-la Gamma Golmogro Gamma dificance	95% KM Per 95% ribution 95% Per historical reas Darling GOF 1 Distributed at v-Smirnoff GO Distributed at Level	SD 5% UPL (t) rcentile (z) W KM USL SD 5% UPL (t) rcentile (z) 95% USL sons Test t 5% Signifi oF t 5% Signifi scied MLE)	9.078 8.879 12.61 3.193 9.196 8.991 12.83		
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56		DL/	95° DL 95°	lan Meier % UTL95% 90% KM Pe 99% KM Pe 99% KM Pe 99% Pe 99% Pe recommer A-D Te 5% A-D Ce K-S Te 5% K-S Ce etected da	(KM) Backy Mean % Coverage ercentile (z) ercentile (z) ercentile (z) ercentile (z) Mean % Coverage ercentile (z) e	ground Stat 3.771 10.39 7.75 10.99 round Stat 3.739 10.55 7.831 11.17 d. DL/2 pro 0.322 0.735 0.158 0.221 Gamma Di statistics or 21.24 0.342	istics Assi istics Assi ovided for etected Oi etected di etected di stributed a	comparise bservation An ata appear k ata appear	mal Districtions and loss only derson-la Gamma Golmogro Gamma dificance	95% KM Per 95% ribution 95% Per historical reas Darling GOF 1 Distributed at v-Smirnoff GO Distributed at Level	SD 5% UPL (t) rcentile (z) KM USL SD 5% UPL (t) rcentile (z) 95% USL sons Test t 5% Signifi OF t 5% Signifi ected MLE)	9.078 8.879 12.61 3.193 9.196 8.991 12.83		
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57		DL/	95° DL 95° 2 is not a	San Meier	Mean % Coverage ercentile (z) ercentile (z) ercentile (z) ercentile (z) Mean % Coverage ercentile (z) ercentile (ground Stat 3.771 10.39 7.75 10.99 round Stat 3.739 10.55 7.831 11.17 d. DL/2 pro 0.322 0.735 0.158 0.221 Gamma Di statistics or 21.24 0.342 637.1	istics Assi istics Assi ovided for etected Oi etected di etected di stributed a	comparise bservation An ata appear k ata appear	mal Districtions and loss only derson-la Gamma Golmogro Gamma dificance	95% KM Per 95% ribution 95% Per historical reas Darling GOF 1 Distributed at v-Smirnoff GO Distributed at Level tar (bias correctar (bias correctar (bias correctar)	SD 5% UPL (t) rcentile (z) KM USL SD 5% UPL (t) rcentile (z) 95% USL sons Test t 5% Signifi OF t 5% Signifi ected MLE)	9.078 8.879 12.61 3.193 9.196 8.991 12.83		
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58		DL/	95' DL 95' 2 is not a	## UTL95% ## OOK KM Pe ## OOK K	Mean % Coverage ercentile (z) ercentile (z) ercentile (z) ercentile (z) Mean % Coverage ercentile (z) ercentile (ground Stat 3.771 10.39 7.75 10.99 round Stat 3.739 10.55 7.831 11.17 d. DL/2 pro 0.322 0.735 0.158 0.221 Gamma Di statistics or 21.24 0.342 637.1 7.267	istics Assi istics Assi ovided for etected Oi etected di etected di stributed a	uming Nor compariso bservation An ata appear k ata appear at 5% Sign	mal Dist	95% KM Per 95% ribution 95% Per historical reas Darling GOF 1 Distributed at v-Smirnoff GO Distributed at Level tar (bias correctar (bias correctar (bias correctar)	SM UPL (t) rcentile (z) % KM USL SD 5% UPL (t) rcentile (z) 95% USL sons Test t 5% Signifi OF t 5% Signifi ccted MLE) ccted MLE) ccrected)	9.078 8.879 12.61 3.193 9.196 8.991 12.83		
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59		DL/	95' DL 95' 2 is not a	## UTL95% ## OOK KM Pe ## OOK K	(KM) Backy Mean % Coverage ercentile (z) ercentile (z) ercentile (z) wition Backy Mean % Coverage ercentile (z) e	ground Stat 3.771 10.39 7.75 10.99 round Stat 3.739 10.55 7.831 11.17 d. DL/2 pro 0.322 0.735 0.158 0.221 Gamma Di statistics or 21.24 0.342 637.1 7.267	istics Assi istics Assi ovided for etected Oi etected di etected di stributed a	uming Nor compariso bservation An ata appear k ata appear at 5% Sign	mal Dist	95% KM Per 95% ribution 95% Per historical reas Darling GOF 1 Distributed at v-Smirnoff GO Distributed at Level tar (bias correctar (bias corectar (bias correctar (bias correctar (bias correctar (bias corre	SM UPL (t) rcentile (z) % KM USL SD 5% UPL (t) rcentile (z) 95% USL sons Test t 5% Signifi OF t 5% Signifi ccted MLE) ccted MLE) ccrected)	9.078 8.879 12.61 3.193 9.196 8.991 12.83 icance Lev icance Lev 17.03 0.427		
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60		DL/	95' DL 95' 2 is not a	Jan Meier W UTL95% W KM Pe W WTL95% W KM Pe W UTL95% W	(KM) Backy Mean % Coverage ercentile (z) ercentile (z) ercentile (z) wition Backy Mean % Coverage ercentile (z) e	ground Stat 3.771 10.39 7.75 10.99 round Stat 3.739 10.55 7.831 11.17 d. DL/2 pro 0.322 0.735 0.158 0.221 Gamma Di statistics or 21.24 0.342 637.1 7.267 1.761	istics Assi istics Assi ovided for etected di etected di stributed a	comparison bservation An ata appear k ata appear at 5% Sign	mal Distribution on sand list o	95% KM Per 95% ribution 95% Per historical reas Darling GOF 1 Distributed at v-Smirnoff GO Distributed at Level tar (bias correctar (bias corectar (bias correctar (bias correctar (bias correctar (bias corre	SM UPL (t) rcentile (z) % KM USL SD 5% UPL (t) rcentile (z) 95% USL sons Test t 5% Signifi OF t 5% Signifi ccted MLE) ccted MLE) ccrected)	9.078 8.879 12.61 3.193 9.196 8.991 12.83 icance Lev icance Lev 17.03 0.427		
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59			95 DL 95 2 is not a MLE I	Jan Meier W UTL95% W KM Pe W WTL95% W KM Pe W UTL95% W	(KM) Backg Mean % Coverage ercentile (z) erc	ground Stat 3.771 10.39 7.75 10.99 round Stat 3.739 10.55 7.831 11.17 d. DL/2 pro 0.322 0.735 0.158 0.221 Gamma Di Statistics or 21.24 0.342 637.1 7.267 1.761	istics Assistics	comparison bservation An ata appear k ata appear at 5% Sign	mal Distributions and list one and list one of the second color of	95% KM Per 95% ribution 95% Per historical reas Darling GOF 1 Distributed at v-Smirnoff GO Distributed at Level tar (bias correctar (bias corectar (bias correctar (bias correctar (bias correctar (bias corre	SD 5% UPL (t) reentile (z) % KM USL SD 5% UPL (t) reentile (z) 95% USL sons Test t 5% Signification of the sected MLE) exceed	9.078 8.879 12.61 3.193 9.196 8.991 12.83 icance Lev 17.03 0.427 511		

	Α	В	С	D	Е	F	G	Н	ı	J	K	L
63				S may not								
64	For such situations, GROS method tends to yield inflated values of UCLs and BTVs											
65	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates											
66				Minimum	1.992					Mean	4.849	
67					Maximum	10.93		Median CV	4.007			
68					SD	2.286		0.471				
69					hat (MLE)	5.205		4.812				
70					hat (MLE)	0.931				(bias corre		1.008
71			MIEN		hat (MLE)	395.6				u star (bias	,	365.7 2.21
72	MLE Mean (bias corrected) 4.849 MLE Sd (bias corrected) 95% Percentile of Chisquare (2k) 17.79 90% Percentile											7.809
73			75 70 1 616611		Percentile	8.962		11.4				
74 75			The followi				a Gamma	ROS Statis	stics on In	nputed Data	Percentile a	117
76				Limits usir		-	-			-		
77					WH	HW	, , , , ,		, ,		WH	HW
78	Approx. G	amma UT	L with 95%	Coverage	10.51	10.67		95%	Approx. G	amma UPL	9.053	9.12
79			95% Ga	mma USL	13.3	13.73						
80												
81				_		-				l estimates		
82			Upper	Limits usir			H) and Ha	wkins Wixl	ey (HW) N			
83					k hat (KM)	1.474				n	u hat (KM)	112
84					WH	HW			_		WH	HW
85	Approx. G	Gamma UT	L with 95%	_	12.71	13.28		95% /	Approx. G	amma UPL	10.02	10.24
86			95% Ga	mma USL	18.27	19.9						
87				Logno	rmal COE	Test on D	etected O	bservations	e Only			
88			Shan	iro Wilk Te		0.963	elected O			ilk GOF Te	et	
90				iro Wilk Cri		0.881	Detecte	ce Level				
91			-	illiefors Te		0.145				GOF Test	- 3	
92			5% L	illiefors Cri	tical Value	0.229	Detecte	d Data app	ear Logno	ormal at 5%	Significan	ce Level
93				Detected	d Data app	ear Logno	rmal at 5%	Significar	ce Level			
94												
95		Backgro					Lognormal	Distributio	n Using lı	mputed Nor		
96										1.603		
97	050/ 1171 050/ 0							0.332				
98						10.09 10.93		10.93 8.767				
99 100	000/ 5				7.606		8.582					
101	000(5 ()					10.76		12.79				
102											95% USL	
103			Statistics u	sing KM e	stimates o	n Logged I	Data and A	ssuming L	.ognormal	Distribution	n	
104				Mean of Lo		0.967		95% KM		ormal)95%		15.97
105				M SD of Lo		0.846				KM UPL (L		11.17 29.23
106	050/1/04 D 1/1 1/1					10.58	95% KM USL (Lognormal)					
107				D	. 18125							
108			B /				suming Lo	gnormal D	ristribution		Log Scale	0.001
109						3.739		0.881 0.992				
110					3.193 20	SD in Log Scale 95% UPL (t)						
111					8.603						13.15 12.33	
112 113					24.25	95% USL 40.6						
114		DL/	2 is not a R		. ,		vided for	compariso	ns and his	storical reas		
115								•				
116				Nonpa	rametric D	istribution	Free Back	ground St	atistics			
117			Data	appear to	follow a D	iscernible	Distributio	n at 5% Sig	gnificance	Level		
118												
119		Non	parametric				inction ma	de betwee		and nondet TL with95%		
120					Statistic, r	38	_	10.93				
121				App	proximate f		Co	ntidence Co	oetticient ((CC) achiev		0.858
122			050/	KW OF -1	95% UPL	10.09					95% USL	10.93
123			95%	KM Cheby	rsnev UPL	17.48						
124												

	Α	В	С	D	Е	F	G	Н	I	J	K	L
125	Note: The use of USL to estimate a BTV is recommended only when the data set represents a background											
125 126	data set free of outliers and consists of observations collected from clean unimpacted locations.											
127	The use of USL tends to provide a balance between false positives and false negatives provided the data											
128 129	represents a background data set and when many onsite observations need to be compared with the BTV.											
129												